



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03, 29 March 1996 (1996-03-29) -& JP 07 294777 A (SUMITOMO ELECTRIC IND LTD), 10 November 1995 (1995-11-10) * abstract *	1-4	H01S5/022 G02B6/42 H01L31/0203 H01L33/00
A	US 6 188 118 B1 (SEVERN JOHN KENNETH) 13 February 2001 (2001-02-13) * abstract; figures 5,6 *	1,5	
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09, 31 October 1995 (1995-10-31) -& JP 07 147349 A (HITACHI LTD), 6 June 1995 (1995-06-06) * abstract *	1,8	
A	GB 2 126 795 A (PLESSEY CO PLC) 28 March 1984 (1984-03-28) * page 1, line 70 - page 1, line 129; figures 1,5A *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	DE 100 41 328 A (OSRAM OPTO SEMICONDUCTORS GMBH) 14 March 2002 (2002-03-14) * column 1, line 56 - column 2, line 58; figure 1 *	1,11	H01S H01L G02B
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 02, 2 April 2002 (2002-04-02) -& JP 2001 291903 A (FUJIKURA LTD), 19 October 2001 (2001-10-19) * abstract *	1	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 19 November 2002	Examiner Gnugesser, H
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

1
EPO FORM 1503 03.82 (P04C01)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 05, 31 May 1996 (1996-05-31) -& JP 08 005872 A (SUMITOMO ELECTRIC IND LTD), 12 January 1996 (1996-01-12) * abstract *	1	
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 20, 10 July 2001 (2001-07-10) -& JP 2001 085706 A (KYOCERA CORP), 30 March 2001 (2001-03-30) * abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int.CI.7)
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 19 November 2002	Examiner Gnugesser, H
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

1

EPO FORM 1503 03.82 (P04C01)